

Please cite:

```
/tmp/fastacaaQPaiHi: 995 aa
```

>SEQ ID NO:2

```
vs /tmp/fastDAARPaHi library
```

```
searching /tmp/fastDAARPaHi library
```

1008 residues in 1 sequences

FASTA (3.34 January 2000) function [optimized, BL50 matrix (15:-5)] ktup: 2

```
join: 39, opt: 27, gap-pen: -12/ -2, width: 16
```

Scan time: 0.050

The best scores are:

opt

NM 000096 ACCESSION:NM\_000096 NID: gi 4557484 ref (1008) 2671

>>NM\_000096 ACCESSION:NM\_000096 NID: gi 4557484 ref NM\_0 (1008 aa)

```
initn: 1414 init1: 972 opt: 2671
```

Smith-Waterman score: 3980; 57.002% identity in 1014 aa overlap (1-992:1-1008)

	10	20	30	40	50
SEQ	MKILILGIFLFLC	SSPGWAIDRHCYIGIEESIWN	YAPSGKNMLNEKPFSE	DL-----FLQ	
NM_000	MKILILGIFLFLC	STPAWAKEKHYYIGIIE	TTWDYA---SDHGEK	KLISVDTEHSNIYLQ	
	60	70	80	90	100
SEQ	GGQARKSFVFKKAL	YFYTDNTFQRIIEKPS	WLGLGPMIKAETGDF	IYVHVKNNASRAY	
NM_000	NGPDRIGRLYKKAL	YLQYTDDETFRTTIEK	PVWLGLGPIIKAETG	DKVYVHLKNLASRPY	
	120	130	140	150	160
SEQ	SYHPHGLTYSKENE	AHGAIYPDNTTGLQKE	VEYLEPGKQYTYKWY	VEEHQGP	PNDNSNCV
NM_000	TFHSHGITYYKEHE	--GAIYPDNTTDFQR	ADDKVYPGEQYTYML	LATEEQSPGEGD	GNCV
	180	190	200	210	220
SEQ	TRIIYSHIDTARDV	ASGLIGPILTCRGT	LNGLDTEKDIDRSS	FLMFSTTDESRSW	YSDEN
NM_000	TRIIYSHIDAPKDI	ASGLIGPLIICKD	SLDKEKEKHIDRE	FVVMFVVDENF	SWYLEDN
	240	250	260	270	280
SEQ	IRAF--TESGKINTS	DPREFEESMSMQSING	YIYGNLPNLTMC	AEDRVQWYFVGM	GGVADIH
NM_000	IKTYCSEPEKVDK	NEDFQESNRMYSVNG	YTFGSLPGLSMCA	EDRVKWLFGMGNE	VDVH
	300	310	320	330	340
SEQ	PVYLRGQTLISRN	HRKDTIMLFPSSLE	DAFMVAKAPGVWML	GCQ----IHESM	QAFFKVS
NM_000	AAFFHGQALTNKN	YRIDTINLFPATL	FDAYMVAQNPGEW	MLSCQNLNHLKAG	LQAFFQVQ

	360	370	380	390	400	410
SEQ	NCQKPSTEAFVTGTHVIHYIIAAKEILWNYAPSGIDFFTKKNLTAAGSKSQLFFERSPTR					
	....	...	...	...	...	...
NM_000	ECNKSSSKDNIRGKHVRHYIIAAEEIIWNYAPSGIDIFTKENLTAPGSDSAVFFEQGTTR					
	360	370	380	390	400	410

  

	420	430	440	450	460
SEQ	IGGTYKKLIYREYTDASFQTQKAR---EEHLGILGPVFKAEVGQTIKITFYNNASLPLSI				
	.....	...	...	...	...
NM_000	IGGSYKKLVYREYTDASFQTNRKERGPEEEHLGILGPVIWAEVGDTIRVTFHNKGAYPLSI				
	420	430	440	450	460

  

	470	480	490	500	510	520
SEQ	QPPGLHYNKSNEGLFYE---TPGG-STPPSSHVSPGTTFFVYTWEVPKDVGPSTDPNCL					
	..	.....	...	...	...	...
NM_000	EPIGVRFNKNNEGTYYSNPNPQSRVPPSASHVAPTETFTYEWTPKEVGPTNADPVCL					
	480	490	500	510	520	530

  

	530	540	550	560	570	580
SEQ	TWFYYSVNGKKDINSGLLGPLLICRNGSLGDDGKQKGVDFYLLATIFDENESNLLDE					
	.....	...	...	...	...	...
NM_000	AKMYSAVDPTKDIFTGLIGPMKICKKGSLSHANGRQKDVDFYLLFPTVFDENESLLED					
	540	550	560	570	580	590

  

	590	600	610	620	630	640
SEQ	N-RTFITEPENIDKEDTDCQASNKMYSGYMYGNLPGDLTCLGDNVLWHVFSVGSVEDL					
	...	.....	...	...	...	...
NM_000	NIRMFTTAPDQVDKEDDFQESNKMHSNMGFMYGNQPGLTMCCKGDSVVWYLFSAAGNEADV					
	600	610	620	630	640	650

  

	650	660	670	680	690	700
SEQ	HGIYFSGNTFTSLGARRDTIPMFYTSQTLTLPDSIGTFDLVCMTHLNLGGMKHKYHV					
	.....	...	...	...	...	...
NM_000	HGIYFSGNTYLWRGERRDANLFPQTSLLHMPDTEGTFNVECLTTDHYTGGMKQKYTV					
	660	670	680	690	700	710

  

	710	720	730	740	750	760
SEQ	RQCGKPNPDQTYQEEKIIITIAAEEMEWYDYSRQWENELHHLRRENQTSMYVDRSGTL					
	..	...	...	...	...	...
NM_000	NQCRQSEDSTFYLGERTYY-IAAVEVEWDYSPQREWEKELHHLQEQNVSNALDKGEFY					
	720	730	740	750	760	770

  

	770	780	790	800	810	820
SEQ	LGSKYKKVLYRQYDDNTFTNQTKRNEGEKHLDELGILLNPGQIIQIIFKNKAARPYSI					
	.....	...	...	...	...	...
NM_000	IGSKYKKVVYRQYTDSTFRVPVERKAEHLGILGPQLHADVGDKVKIIFKNMATRPSYI					
	780	790	800	810	820	830

  

	830	840	850	860	870	880
SEQ	HAHGVKTNNSTVVPTQPGEIQIYTWQIPDRGTSLDFECIPWFYYSTVSVAKDLHSGLV					
	.....	...	...	...	...	...
NM_000	HAHGVQTESSTVTPLPGETLTYVWKIPERSGAGTEDSACIPWAYYSTVDQVKDLYSGLI					
	840	850	860	870	880	890

```

      890      900      910      920      930
SEQ    GPLSVCR----KDINPN-IVHRVLHFMIFDENESWYFEDSINTYASKPNKVDKENDNFQL
      ::: ::: : ::: .. : : : : : : : : : : : : : : : : : : : : : : :
NM_000 GPLIVCRRPYLKVFNP RRKLEFALLFLVFDENESWYLD DNIKTYS DHPEKVNKDDEEFIE
      900      910      920      930      940      950

      940      950      960      970      980      990
SEQ    SNQMHAINGRLFGNNQGITFHVGDVVNWYLGIGNEADLHTVHFHGH SFYKHKYLI
      : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
NM_000 SNKMHAINGRMFGNLQGLTMHVGDEVNWYLMGMGNEIDLHTVHFHGH SFQYKHR
      960      970      980      990      1000

```

995 residues in 1 query sequences

1008 residues in 1 library sequences

Scomplib [version 3.3t05 March 30, 2000]

start: Wed Sep 18 11:16:31 2002 done: Wed Sep 18 11:16:32 2002

Scan time: 0.050 Display time: 1.417

Function used was FASTA